

PUBLIC NOTICE

PERMIT APPLICATION: NRS07.272

APPLICANT: Alliance Development
ATTN: Andy Watson
4320 Kenilwood Drive
Nashville, TN 37204
615-485-6955

LOCATION: unnamed tributary to Grassy Branch in Spring Hill, Williamson County
N35.76847°, W86.90801°

WATERSHED DESCRIPTION:

Watershed Name/HUC: Lower Duck River/06040003

Stream Name: unnamed tributary to Grassy Branch

Stream Segment ID: TN6040003034

Designated Uses: Fish and Aquatic Life (impaired due to habitat alteration and sedimentation and siltation)
Irrigation (fully supporting)
Livestock Watering and Wildlife (fully supporting)
Recreation (not assessed)

Surrounding Land Use: Land use in the vicinity of the unnamed tributary of Grassy Branch is mainly residential and rural

Exceptional Tennessee Waters: no

PROJECT DESCRIPTION : The proposed work consists of a relocation of approximately 95' of an unnamed tributary to Grassy Branch to the east and the encapsulation of a portion of that tributary into 150' of CMP. The purpose of the proposed modifications are to minimize the length of encapsulation necessary for a safe intersection at the proposed Paddy Trace and Woodside Drive in the Woodside Subdivision development. This development consists of single family dwellings and townhomes.

The existing stream originates from the southern edge of a woodland wetland, leaving the wetland in a channel that is approximately 1' wide and 1.5' deep. The channel continues to widen and deepen to approximately 2' by 2' with minimal flow through the grassed meadow. By the time the channel gets to the existing farm road crossing, the channel is approximately 3'-5' wide and 3' deep with even less flow. There is no flow by the time the channel reaches the road crossing at St. Hubbins. The amount of channel to be impacted is approximately 197 feet.

The flow that is currently leaving the wetland will be channeled approximately 95' to the east via a 2' high grass covered berm constructed outside of the wetland boundary and planted with River Birch, to the headwall and pipe. The pipe will be sunk approximately 1 foot and filled with stone having a median size of six inches. Stream flow will then be directed into approximately 150' of CMP. This will direct the flow to the natural channel downstream of the intersection of the proposed Paddy Trace and Woodside Drive. A berm that is approximately 12 feet high will be

constructed to elevate the road bed, filling in a portion of the original channel.

There will be no grading or construction activity within the wetland area. However, to minimize long-term impacts associated with the new development around the wetland, water from roads, parking lots and other impervious surfaces will be directed first to the detention ponds for treatment of quality and quantity. The discharge from the detention areas will be directed to a grass berm that will act as a secondary retention facility and level spreader. The water will back up coming out of the pipe and then sheet flow to the wetland.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity, including the proposed compensatory mitigation, will not result in degradation to water quality.

This public notice may be viewed on the internet at:

<http://www.state.tn.us/environment/wpc/ppo/arap>.

USGS TOPOGRAPHIC QUADRANGLE: Spring Hill (63-SW)

PERMIT COORDINATOR: Dan Eagar

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a

determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

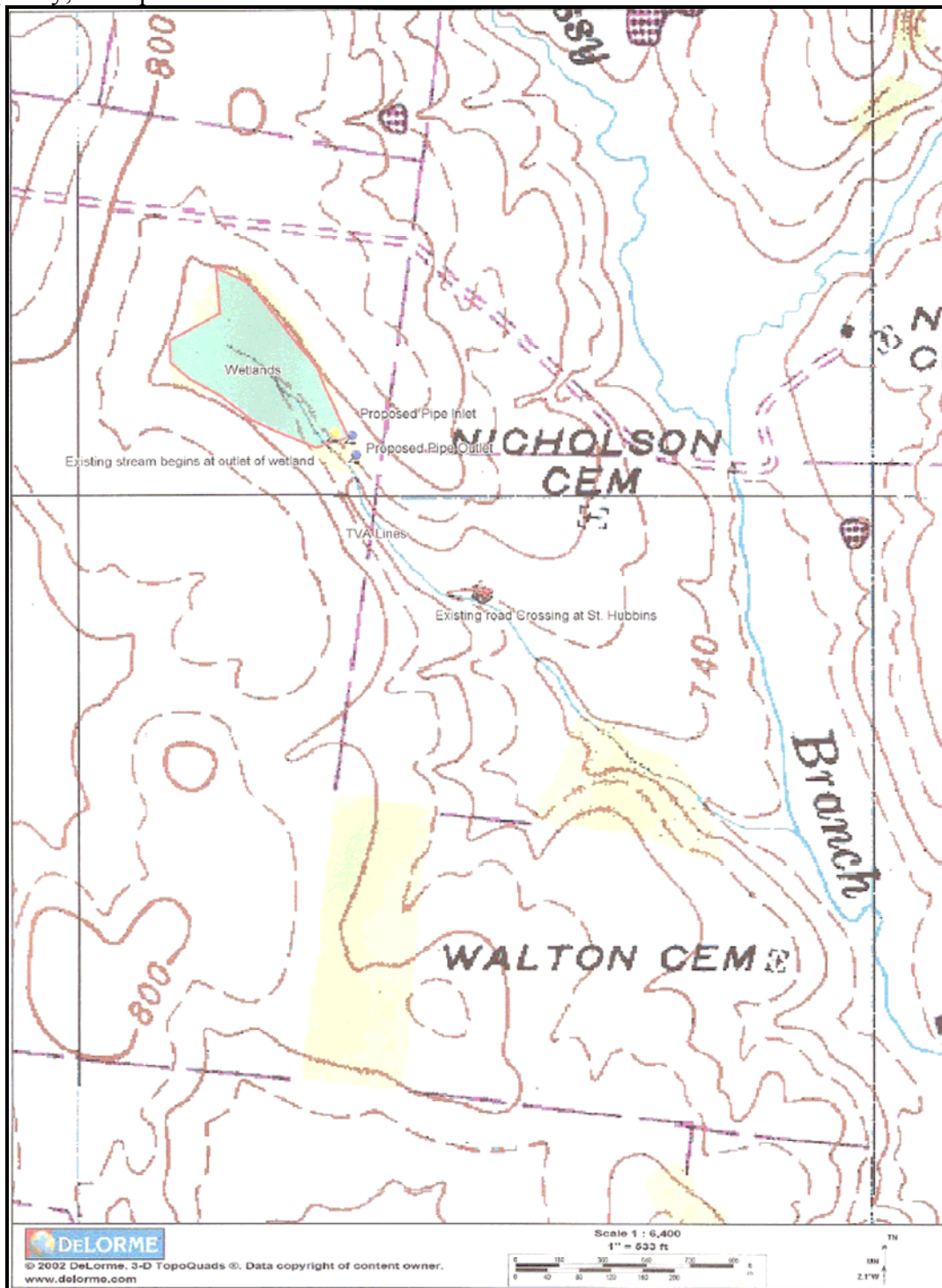


Figure 1: Approximate location of alteration

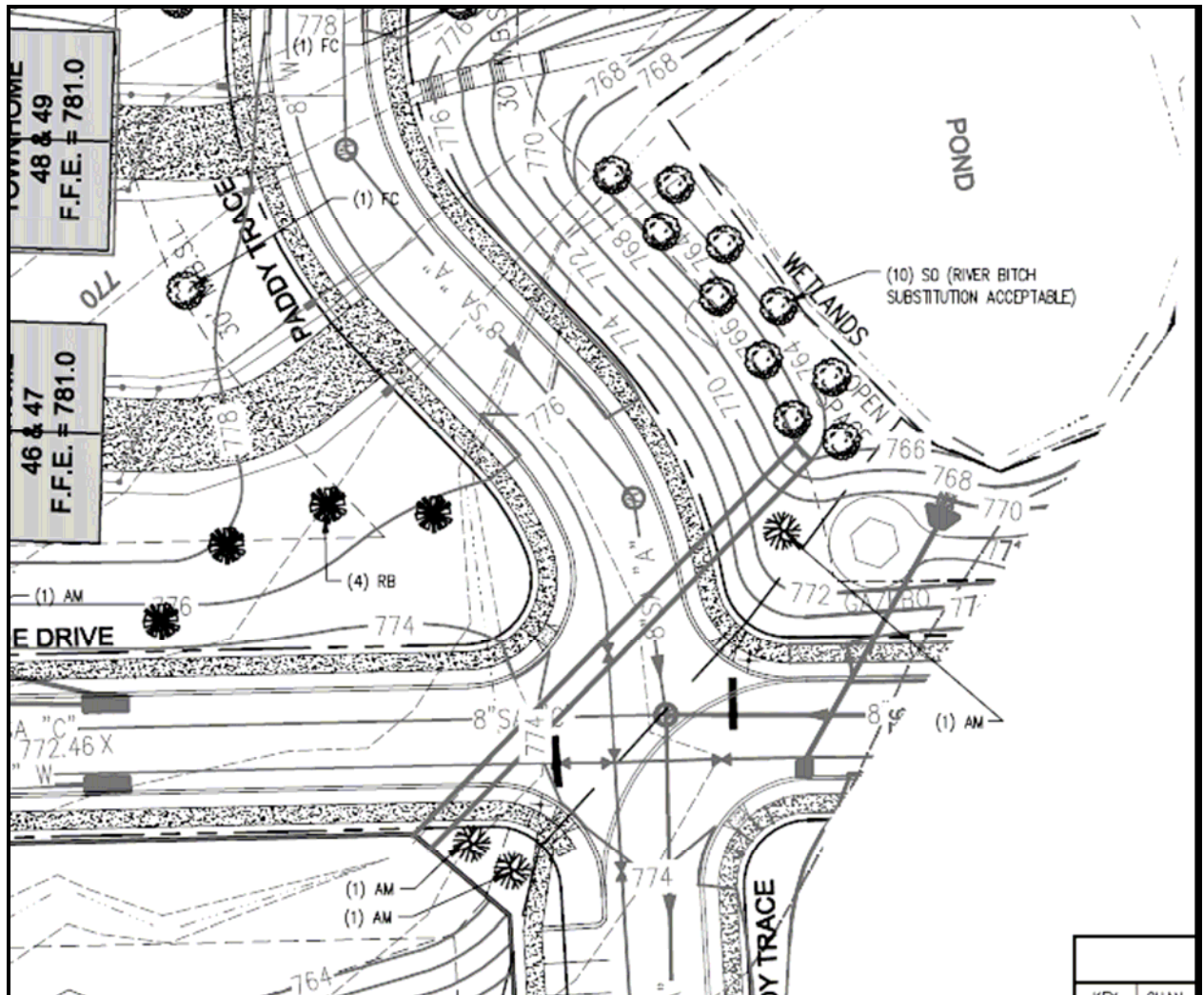




Photo 1: Woodland portion of wetland.



Photo 2: Looking at woodland portion of wetland, facing north.



Photo 3: Looking at wetland from western side of feature.



Photo 4: Showing southern wetland boundary. Wetland inside silt fence.



Photo 5: Looking at existing stream coming out of wetland.
Limits of construction also visible.



Photo 6: Looking downstream of point in Photo 5.



Photo 9: Looking upstream of existing crossing (farm road) under TVA lines.



Photo 10: Looking downstream of existing crossing (farm road) under TVA lines.